

AD-A055 593 ARMY FIELD ARTILLERY SCHOOL FORT SILL OKLA F/G 5/2  
A CHECKLIST OF OBSOLETE ARTILLERY FIRING TABLES, U.S. AND FOREIGN--ETC(U)  
MAY 78 L L MILLER  
UNCLASSIFIED SB-51 NL

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U.S. ARMY FIELD ARTILLERY SCHOOL

LIBRARY

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SPECIAL BIBLIOGRAPHY NUMBER 51

A

CHECKLIST OF OBSOLETE ARTILLERY

FIRING TABLES,

U.S. AND FOREIGN

BY

LESTER L. MILLER, JR.

20 MAY 1978

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## FOREWORD

This checklist of Morris Swett Library holdings on firing tables presents generalized information about their construction along with tabulated data on specific weapons. Part One covers U.S. weapons. Part Two concerns foreign artillery weapons by class on a by-country basis, as suggested by the table of contents. If a specific firing table is owned, the "F.T." number is cited along with brief identifying information to introduce the relevant model. A fuller entry is shown if several calibers or models are covered in one book. Arrangement of this list is numerical, by bore diameter size (mm, cm, in, pdr), and model number within the caliber. Since this listing is not complete, respondents are encouraged to share data on any other weapons not shown.

U.S. Army Regulation 310-25, dated 15 September 1975, provides an apt definition for the ballistics characteristics reflected by firing, or range, tables as follows:

"Firing table (A) - Table or chart giving the data needed for firing a weapon accurately on a target under standard conditions and also the corrections that must be made for special conditions such as wind or variations of temperature."

General Eisenhower's World War Two remark that "Our massed fire technique was one of the decisive factors of our ground campaign throughout the world" takes on added meaning when it is considered that massed concentrations of fire were possible because we appreciated the need for developing these mnemonic aids.

The cataloging data which follows is indicated due to the fact that firing table coverage is placed according to certain principles. With this information in hand, browsing throughout libraries set-up on the Library of Congress system is possible.

The Morris Swett Library Cataloging Department pioneered in the development of the Military Science portion("U") of the Library of Congress classification scheme to anticipate changing requirements brought on by historical and technical developments from 1911 when the Library was first established. Part of this planning is reflected by the following "UL - Ordnance and Gunnery" development of the system.

78 06 13 012  
1



"UL - ORDNANCE AND GUNNERY"

RANGE TABLES

600	Range tables (firing tables; SEE UL 303 for size breakdown)
601	Range tables for field artillery
.5	Range tables for rockets and missiles
.6	Range tables for atomic weapons
602	Range tables for coast artillery
.5	Range tables for mortars (coast artillery)
603	Range tables for machine guns
604	Range tables for mortars
.5	Range tables for 37mm guns
.51	Range tables for 57mm guns
605	Range tables for antiaircraft guns

SIZE

GUNS. HOWITZERS.

300	General.
303	United States
	Gun handbooks (.A4-A6) (Description and characteristics of guns with G for gun and H for howitzers)
	.A3 General.
	.A4 by mm or cm.
	.A5 by inches.
	.A6 by pounds.
	.A7 Coast Guns.
	.A75 Mortars.
	.A76 Railway Guns.
	.A77 Trench Mortars.
	.A78 Antiaircraft Guns.
	.A8 Subcaliber Guns.
	.A85 Aircraft Guns.
	.A9 Guided Missiles.
395	Other countries, A-Z.
	For example - Great Britain.
	.G7 General.
	.G74 By mm or by cm.
	.G75 By inches.
	.G76 By pounds.
	.G77 Coast Guns.
	.G775 Mortars.
	.G776 Railway Guns.
	.G777 Trench Mortars.
	.G778 Antiaircraft Guns.
	.G779 Multiple Guns.

Inclusion of an item, or accidental omission, does not imply USAFAS indorsement or sanction of the compiler's point-of-view, nor does it guarantee accuracy of content. Comment and criticism concerning this list if solicited.

LESTER L. MILLER, JR.  
Reference Librarian

# ABBREVIATIONS

*	Addendum
AA	Anti-Aircraft
ABR	Abridged
AP	Armor-Piercing
APC-T	Armor-Piercing Capped-Tracer
AP-INC	Armor-Piercing Incendiary
API-T	Armor-Piercing Incendiary-Tracer
APS	Armor-Piercing Shot
AP-T	Armor-Piercing - Tracer
AT	Anti-Tank
Auto	Automatic
Cal	Caliber
Cart	Cartridge
FL-SM	Flash-Smoke
HE	High-Explosive
HEI-T	High-Explosive Incendiary Tracer
HEP	High-Explosive Plastic
HEP-T	High-Explosive Plastic Tracer
PE-T	High-Explosive Tracer
HVAP-T	Hyper-Velocity Aircraft Rocket
HVTP-T	Hyper-Velocity Target Practice-Tracer
ILL	Illuminating
LE	Low-Explosive
mm	millimeter
Q.F.	Quick-Firing
RKT	Rocket
SM	Smoke
SP	Self-Propelled
T	Tank
Tact	Tactical
TP	Timing Point
TPT	Target Practice with Tracer
WP	White Phosphorous

## TABLE OF CONTENTS

I. A. Obsolete Firing Tables, U.S.A. . . . .	1-19
1. General . . . . .	1
2. Gun . . . . .	2-13
3. Howitzer . . . . .	13-16
4. Mortar . . . . .	17,18
5. Recoilless Rifle . . . . .	19
 I. B. Obsolete Firing Tables, Foreign . . . . .	 20-30
1. General, France . . . . .	20
2. General, Germany . . . . .	20
3. Gun, France . . . . .	20-23
4. Gun, Germany . . . . .	23,24
5. Gun, Great Britain . . . . .	24
6. Gun, Italy . . . . .	24,25
7. Gun, Spain . . . . .	25
8. Gun, USSR . . . . .	25-27
9. Gun-Howitzer, USSR . . . . .	27
10. Howitzer, France . . . . .	27
11. Howitzer, Germany . . . . .	28
12. Howitzer, Great Britain . . . . .	28,29
13. Howitzer, Spain . . . . .	29
14. Howitzer, USSR . . . . .	29
15. Mortar, France . . . . .	29
16. Mortar, Great Britain . . . . .	30
17. Mortar, USSR . . . . .	30

"The great artillery masses decided the result of battle, Napoleon's enemies were compelled to imitate him before they could master him!"

Prince Kraft Hohenlohe



I. A. - OBSOLETE FIRING TABLES

1. GENERAL - U.S.A.

UF1 Beckman, H.S. "The Elements of Firing Table Construction,"  
A8 Army Ordnance, 5:446-454, Jul 1924.

UF1 Harvey, A.F.B. "The Compilation of Range Tables," Journal of  
W8 the Royal Artillery, 39:19, 1912-13.

UL601 Haskin, Joseph A. Tables of Theoretical Ranges of Guns,  
A3H2 Howitzer & C., Used in the Service of the United States,  
1866 Calculated by General Dideon's Formula, (s.l.:s.n.), c1886.

UF1 Hickman, H.P. "The Compilation of Range Tables," Coast Artil-  
C7 lery Journal, 17:147-192, Jan-Jun 1902.

UF1 Klingaman, Murray O. "Firing Tables for Battery Executives,"  
F6 Field Artillery Journal, 29:101-108, Mar-Apr 1939.

UL600 U.S. Army. Range Computation Tables: Coördinates in Meters,  
U5 Range in Yards, (s.l.): 190th FA Gp., 11 Nov 1944.

UL600 U.S. Army Field Artillery School. Range Possibilities of  
U5 Supporting Weapons, Fort Sill, Ok: the schl, (c1945).  
1945

UL601 U.S. Ordnance Dept. Ranges of Guns, Howitzers, and Mortars,  
A3U5 Used in the Service of the United States, Ord. Memo # 2,  
1863 Washington, DC: USGPO, c1863.

UL532 U.S. Proving Ground. On the Computational Procedures for  
R2U4 Firing and Bombing Tables, BRL Rpt #889, Aberdeen, Md:  
Ballistic Research Labs, Jan 1954.

UL532 -----. Optimization of Unit Range Effects for  
R2U4 Artillery Firing Tables, BRL Rpt #1210, Aberdeen, Md:  
Ballistic Research Labs, Sep 1963.

UL601 U.S. War Dept. Abbreviated Firing Tables, TM 6-215, Washington,  
A4 D.C.: USGPO, c1940.  
(75mm)  
U5  
1940

UL601 -----. Abbreviated Firing Tables, TM 60215, Washington,  
A4 D.C.: USGPO, c1941.  
(75mm)  
U5  
1941a

2. GUN - U.S.A.

37mm - GENERAL

UF7 "37mm Firing Table," Digest of Field Artillery Developments,  
U5D6 3:27,28, Sep 1937.

37mm, M3

UL604.5 AT, APS  
U5 ABR - FT 37-M-3 (1940)

37mm, M1916

UL604.5 FT 37-H-1 (1931)  
U5 ABR - FT 37-A-2 (1935)

LE

ABR - FT 37-B-1 (1924)  
FT 37-H-2 (1933)  
FT 37-A-2 (1935)

Practice

ABR - FT 37-O-1 (1939)  
ABR - FT 37-BJ-2 (1945)

75mm - GENERAL

UL601 U.S. War Dept. Abbreviated Firing Tables, TM 6-215, Washington,  
A4 DC: USGPO, c1940.

----- Range Tables for 75mm American and British Guns,  
Firing Mark I Sharpnel, Mark I Shell, and Mark II Gas Shell,  
Washington, DC: Engineer Reproduction Plant, c1921.

75mm - M2

UL500 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
U52 Fort Sill, Ok: the schl, c1939.

75mm - M3

UL601 HE, SM WP, HEP  
A4 FT 75-AD-6 (1944)  
FT 75-AD-7 (1945)  
ABR - FT 75-BG-1 (1951)

75mm - M6 (T13E1)

UL601 HE, SM WP, HEP  
A4 FT 75-AD-6 (1944)  
FT 75-AD-7 (1945)  
ABR-FT 75-BG-1 (1951)

75mm - M17

UL601 HEP  
A4 ABR-FT 75-BG-1 (1951)

75mm - M1897

UL601 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
A4 Fort Sill, Ok: the schl, c1939, 1941, 1942.

HE  
FT 75-B-4 (1939)  
FT 75-Z-2 (1940)

75mm - M1897A1

UL601 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
A4 Fort Sill, Ok: the schl, c1939, 1941, 1942.

HE  
FT 75-B-4 (1939)  
FT 75-Z-2 (1940)

75mm - M1897A2

UL601 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
A4 Fort Sill, Ok: the schl, c1939, 1941, 1942.

HE  
FT 75-B-4 (1939)  
FT 75-Z-2 (1940)

75mm - M1897A3

UL601 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
A4 Fort Sill, Ok: the schl, c1939, 1941, 1942.

HE  
FT 75-B-4 (1939)  
FT 75-Z-2 (1940)

75mm - M1897A4

UL601 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
A4 Fort Sill, Ok: the sch1, c1939, 1941, 1942.

HE

FT 75-B-4 (1939)  
FT 75-Z-2 (1940)

75mm - M1916

UL601 HE, CHEM GAS  
A4 FT 75-E-1 (1932)  
FT 75-E-2 (1935)  
FT 75-E-3 (1940)

75mm - M1917

UL601 HE, CHEM, GAS  
A4 FT 75-E-1 (1932)  
FT 75-E-2 (1935)  
FT 75-E-3 (1940)

75mm - T83E6

UL601 AA, HE  
A4 FT 75-BK-1 (1954)

76mm - M1A1

UL601 HE, ILL, APC-T  
A4 FT 76-A-5 (1944)  
FT 76-A-6 (1945)

76mm - M1A1C

UL601 HE, ILL, APC-T  
A4 FT 76-A-6 (1945)

76mm - M1A2

UL601 HE, ILL, APC-T  
A4 FT 76-A-5 (1944)  
FT 76-A-6 (1945)

77mm

UL601 U.S. War Dept. Abbreviated Firing Tables, TM 6-215, Washington,  
A4 DC: USGPO, c1941.



90mm - M1

UL605 HE  
A4 FT 90-AA-A-1 (1940)  
FT 90-AA-B-3 (1944)  
FT 90-AA-B-5 (1954)

90mm - M1A1

UL605 HE  
A4 FT 90AA-B-3 (1944)

90mm - M1A2

UL605 HE  
A4 FT 90-AA-B-5 (1954)

90mm - M2

UL605 HE  
A4 FT 90-AA-B-3 (1944)  
FT 90-AA-B-5 (1954)

90mm - M3

UL601 HVAP-T, APC-T, HVTP-T, HE, SM WP  
A4 ABR-FT 90-F-1 (1948)  
ABR-FT 90-L-1 (1951)

90mm - M3A1

UL601 HVAP-T, HVTP-T  
A4 ABR-FT 90-L-1 (1951)

90mm - T8

UL605 APC-T, HE, SM WP  
A4 ABR-FT 90-F-1 (1948)

105mm - M2A1

UL601 HE, Gas Cartridge, SM WP  
A4 FT 105-H-6 (1961)

105mm - M2A2

UL601 HE, Gas Cartridge, SM WP  
A4 FT 105-H-6 (1961)

105mm - M3

UL605            AA  
A4                FT 105-AA-E-1 (1935)

105mm - M49

UL601            HE, Gas Cartridge, SM WP  
A4                FT 105-H-6 (1961)

105mm - M68

UL601            FT 105-A-0 (1962)  
A4                FT 105-A-1 (1963)

105mm - T19

UL601            HE, SM WP, AT  
A4                ABR-FT 105-AH-1 (1950)  
                  ABR-FT 105-AI-1 (1950)

105mm - T19E1

UL601            HE, SM WP, AT  
A4                ABR-FT 105-AH-1 (1950)  
                  ABR-FT 105-AI-1 (1950)

120mm - M58 (T123E1)

UL605            FT 120-C-1 (1957)  
A4

155mm

UL601            U.S. Command & General Staff College. Abridged Artillery Range  
A4                Tables for Use at General Service Schools, Fort Leavenworth,  
                  Ks: the coll, c1919.

UL601            U.S. War Dept. Abbreviated Firing Tables, TM 6-215, Washington,  
A4                DC: USGPO, c1940, 1941.

HE  
\* FT 155-ADD-B1 (1967)

155mm - M1

UL601            HE, CHEM  
A4                FT 155-S-1 (1942)  
                  FT 155-S-2 (1944)

155mm - M1A1

UL601 HE, CHEM  
A4 FT 155-S-1 (1942)  
FT 155-S-2 (1944)

155mm - M1917

UL601 HE, Shrapnel  
A4 FT 155-B-3 (1933)  
FT 155-B-4 (1939)  
FT 155-C-2 (1931)  
FT 155-U-1 (1940)

155mm - M1917A1

UL601 HE, Shrapnel  
A4 FT 155-B-3 (1933)  
FT 155-B-4 (1939)  
FT 155-C-2 (1931)  
FT 155-U-1 (1940)

155mm - M1918

UL601 U.S. Ordnance Dept. Firing Tables for 155mm G.P.G. Gun,  
A4 Washington, DC: Engineer Repro. Pl., c1922.

155mm - M1918A1

UL601 Shrapnel  
A4 FT 155-C-2 (1931)

155mm - M1918M1

UL601 HE  
A4 FT 155-B-3 (1933)  
FT 155-B-4 (1939)  
FT 155-U-1 (1940)

155mm - T3

UL601 HE  
A4 FT 155-S-1 (1938)

280mm - T131

UL601 HE  
A4 FT 280-A-1 (1952)  
FT 280-B-1 (1953)

2.95"

UL601 U.S. Ordnance Dept. Range Tables for Mobile Artillery Cannon,  
A3U5 Washington, DC: USGPO, c1916.  
E1033

3" (15 PDR)

UL601 U.S. Ordnance Dept. Range Table for Mobile Artillery Cannon  
A3U5 Washington, DC: USGPO, c1916.  
#1033

UL601 ----- Range Table for 3-Inch Field Gun, Map  
A5 Firing, Washington, DC: USGPO, c1917.  
#950

3" - M1

UL605 AA  
A5 FT 3AA-O-1 (1939)  
FT 3AA-J-3 (1940)

3" - M2

UL605 AA  
A5 FT 3AA-O-1 (1939)  
FT 3AA-J-3 (1940)

3" - M3

UL601 AA, HE  
A5 FT 3-R-2 (1943)

3" - M5

UL601 AT, HE, APC-T, ILL, SM WP  
A5 FT 3-R-2 (1943)  
FT 3-W-1 (1945)

3" - M7

UL601 AT, HE, APC-T, ILL, SM WP  
A5 FT 3-R-2 (1943)  
FT 3-W-1 (1945)

3" - M1902

UL601 U.S. Ordnance Dept. Provisional Range Tables for the 3-Inch  
A5 Gun, Washington, DC: Engineer Repro. Pl., c1923.  
E3A1  
HE  
FT 3-Q-1 (1940)



3" - M1903

UL601            HE  
A5               FT 3-P-1 (1938)  
                 FT 3-Q-1 (1940)

3" - M1904

UL601            U.S. Ordnance Dept. Provisional Range Tables for the 3-Inch  
A5               Gun, Washington, DC: Engineer Repro. Pl., c1923.  
#3A1

3" - M1905

UL601            U.S. Ordnance Dept. Provisional Range Tables for the 3-Inch  
A5               Gun, Washington, DC: Engineer Repro. Pl., c1923.  
#3A1

3" - M1917A2

UL605            AA  
A5               FT 3AA-O-1 (1939)  
                 FT 3AA-J-3 (1940)

3" - M1917A3

UL605            AA  
A5               FT 3AA-O-1 (1939)  
                 FT 3AA-J-3 (1940)

3" - M1917MIA2

UL605            AA  
A5               FT 3AA-O-1 (1939)  
                 FT 3AA-J-3 (1940)

3" - M1917MIA3

UL605            AA  
A5               FT 3AA-O-1 (1939)  
                 FT 3AA-J-3 (1940)

3" - M1917MII

UL605            AA  
A5               FT 3AA-O-1 (1939)  
                 FT 3AA-J-3 (1940)

3" - M1925MI

UL605            AA  
A5                FT 3AA-O-1 (1939)  
                  FT 3AA-J-1 (1940)

3.8"

UL601            U.S. Ordnance Dept. Range Tables for Mobile Artillery Cannon,  
A3U5               Washington, DC: USGPO, c1916.  
#1033

4.7"

UL601            U.S. Ordnance Dept. Range Tables for Mobile Artillery Cannon,  
A3U5               Washington, DC: USGPO, c1916.  
#1033

4.7" - M1906

UL601            U.S. Ordnance Dept. Provisional Range Tables for 4.7" Gun,  
A5                   Model 1906, Washington, DC: USGPO, c1918.  
#1011

6"

UL601            U.S. Ordnance Dept. Range Tables for Mobile Artillery Cannon,  
A3U5               Washington, DC: USGPO, c1916.  
#1033

6" - M1897

UL602            HE  
A5                FT 6-B-2 (1938)

6" - M1897MI

UL602            HE  
A5                FT 6-B-3 (1941)  
                  FT 6-C-2 (1940)

6" - M1900

UL602            HE  
A5                FT 6-C-2 (1940)  
                  FT 6-D-2 (1941)  
                  FT 6-F-1 (1944)

6" - M1903

UL602  
A5                      HE  
                         FT 6-C-2 (1940)  
                         FT 6-D-2 (1941)

6" - M1903A2

UL602  
A5                      HE  
                         FT 6-F-1 (1944)

6" - M1905

UL602  
A5                      HE  
                         FT 6-C-2 (1940)  
                         FT 6-D-2 (1941)

6" - M1905A2

UL602  
A5                      HE  
                         FT 6-F-1 (1944)

6" - M1908

UL602  
A5                      HE  
                         FT 6-B-2 (1938)  
                         FT 6-B-3 (1941)  
                         FT 6-C-2 (1940)

6" - M1908MI

UL602  
A5                      HE  
                         FT 6-B-2 (1938)  
                         FT 6-B-3 (1941)  
                         FT 6-C-2 (1940)

6" - M1908MII

UL602  
A5                      HE  
                         FT 6-B-2 (1938)  
                         FT 6-B-3 (1941)  
                         FT 6-C-2 (1940)

8"

UL602  
A5                      AP  
                         FT 8-6-1 (1935)

8" - M1888

UL602 HE, AP  
A5 FT 8-D-2 (1940)  
FT 8-H-1 (1940)

8" - M1888MI

UL602 HE, AP  
A5 FT 8-D-2 (1940)  
FT 8-H-1 (1940)

8" - M1888MII

UL602 HE, AP  
A5 FT 8-D-2 (1940)  
FT 8-H-1 (1940)

12"

UL602 AP  
A5 FT 12-F-3 (1934)

12" - M1895

UL602 AP  
A5 FT 12-L-4 (1935)

12" - M1895A1

UL602 AP  
A5 FT 12-L-4 (1935)

12" - M1895M1

UL602 AP  
A5 FT 12-L-4 (1935)

12" - M1895MIA2

UL602 AP  
A5 FT 12-L-4 (1935)

14" - M1920

UL602 HE  
A5 FT 14-M-1 (1934)



14" - M1920MII

UL602 HE  
A5 FT 14-M-1 (1934)

16" - MKII, Mod. # 1

UL602  
A5 FT 16-D-1 (1937)

16" - M1895

UL602 APS  
A5 FT 16-B-1 (1924)  
FT 16-C-1 (1934)

16" - M1919

UL602 APS  
A5 FT 16-B-1 (1924)  
FT 16-C-1 (1934)

16" M1919MI

UL602 APS  
A5 FT 16-B-1 (1924)

16" - M1919MII

UL602 APS  
A5 FT 16-B-1 (1924)  
FT 16-C-1 (1934)

16" - M1919MIII

UL602 APS  
A5 FT 16-C-1 (1934)

3. HOWITZER - U.S.A.

75mm - M1

UL601 HE, Shrapnel  
A4 FT 75-I-2 (1933)  
FT 75-I-3 (1942)  
FT 75-I-4 (1958)

75mm - M1A1

UL601  
A4            HE  
             FT 75-I-3 (1941)  
             FT 75-I-4 (1958)

75mm - M2

UL601  
A4            HE  
             FT 75-I-4 (1958)

75mm - M3

UL  
A4            HE  
             FT 75-I-4 (1958)

105mm - M2

UL601  
A4            Shrapnel, HE  
             FT 105-H-2 (1934)  
             FT 105-H-3 (1943)

105mm - M2A1

UL601  
A4            HE, CHEM, SM  
             FT 105-H-3 (1943)  
             FT 105-H-4 (1951)  
             FT 105-H-6 (1961)

105mm - M3

UL601  
A4            HE  
             FT 105-L-2 (1943)

105mm - M4

UL601  
A4            HE, SM  
             FT 105-H-4 (1951)

105mm - M103

UL601  
A4            CART, GAS, SM, ILL  
             FT 105-AS-1 (1963)

105mm - T96

UL601  
A4            HE, CHEM, SM, AT  
             \* FT 105-AL-1 (1951)

155mm - M1

UL601  
A4            HE, SM  
             FT 155-Q-1 (1942)  
             FT 155-Q-2 (1944)  
             FT 155-Q-3 (1961)  
             FT 155-Q-4 (1968)

155mm - M1A1

UL601  
A4            FT 155-Q-3 (1961)  
             FT 155-Q-4 (1968)

155mm - M109

UL601  
A4            SP, Atomic  
             FT 155-AJ-1 (1966)  
             FT 155-AJ-2 (1969)

155mm - M114

UL601  
A4            Tow, Atomic  
             FT 155-AI-1 (1965)

155mm - M114A1

UL601  
A4            Tow, Atomic  
             FT 155-AI-1 (1965)

155mm - M126

UL601  
A4            SP, HE, SM WP, GAS, ILL  
             FT 155-AH-1 (1963)

155mm - 1897 (French)

UL601  
F84           U.S. Army Field Artillery School. Abbreviated Firing Tables,  
             S.T. No. 101, Fort Sill, Ok: the sch1, c1936.

155mm - M1917

UL601  
A4            HE  
             FT 155-V-1 (1940)  
             FT 155-D-3 (1940)

155mm - M1917A1

UL601  
A4            HE  
             FT 155-V-1 (1940)  
             FT 155-D-3 (1940)

155mm - M1918 (Schneider)

UL601 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
F84 ST No. 101, Fort Sill, Ok: the schl, c1936.

HE

FT 155-V-1 (1940)

FT 155-D-3 (1940)

155mm - M1918A1

UL500 U.S. War Dept. Abbreviated Firing Tables, Fort Sill, Ok: the  
U52 schl, ST No. 103, c1939.

240mm - M1918MI (Schneider)

UL601 U.S. Ordnance Dept. Firing Tables, 240-B-2, Washington, DC:  
A4 Engineer Repro. Pl., c1932.

8" - M1

UL601

HE

A5

FT 8-J-1 (1941)

FT 8-K-1 (1943)

8" - M2

UL601

A5

FT 8-J-3 (1960)

FT 8-J-4 (1967)

8" - M2A1

UL601

A5

FT 8-J-3 (1960)

FT 8-O-3 (1961)

FT 8-J-4 (1967)

8" - M47

UL601

A5

FT 8-O-3 (1961)

8" - M1917, MK VI

UL601

G75

#1017

U.S. Ordnance Dept. Range Tables, Washington, DC: USGPO,  
c1921.

16" - M1920

UL602

A5

AP

FT 16-A-1 (1924)

4. MORTAR - U.S.A.

60mm

\*UC470.3 U.S. Continental Army Command Board, No. 3. Graphical Firing  
A62G3 Tables, Fort Benning, Ga: the bd., c1950.  
#2162  
Vert File

60mm - M2

UL604 HE, Practice, ILL, SM WP  
A4 FT 60-A-4 (1944)  
FT 60-L-1 (1951)

60mm - M19

UL601 HE, Practice, ILL, SM WP  
A4 FT 60-L-1 (1951)

81mm

\*UC470.3 U.S. Continental Army Command Board, No. 3. Graphical Firing  
A62G3 Tables, Fort Benning, Ga: the bd., c1950.  
#2162  
Vert File

81mm - M1

UL604 HE, Practice  
A4 FT 81-A-1 (1934)  
\* FT 81-B-3 (1940)  
\* FT 81-B-4 (1954)  
\* FT 81-D-1 (1940)  
\* FT 81-H-2 (1943)  
\* FT 81-AD-1 (1953)  
ILL  
\* FT 81-AH-1 (1954)  
\* FT 81-AL-3 (1969)

81mm - M29

UL604 \* FT 81-AD-1 (1953)  
ILL  
\* FT 81-AH-1 (1954)  
\* FT 81-AI-1 (1966)  
\* FT 81-AJ-1 (1967)  
\* FT 81-AL-3 (1969)



105mm - T12

UL504 HE, SM  
A4 \* FT 105-P-2 (1945)

105mm - T13

UL504 HE, SM  
A4 \* FT 105-P-1 (1945)  
\* FT 105-P-2 (1945)

155mm - T16E2

UL504 SM WP, HE  
A4 \* FT 155-AF-2 (1945)

155mm - T25

UL604 HE  
A4 FT 155-AF-1 (1944)  
\* FT 155-AF-2 (1945)

3" - MKIA1

UL604 HE, PRACT  
A4 FT 81-A-1 (1934)

3" - MKIA2

UL604 HE  
A4 \* FT 81-D-1 (1940)  
\* FT 81-B-3 (1940)

4.2" - M30

UL604 HE  
A5 FT 4.2 (1959) (1963)  
FT 4.2-H-1 (1966)

12" - M1890

UL604 FT 12-A-4 (1937)  
A5

12" - M1891MI

UL604 FT 12-A-4 (1937)  
A5

12" - M1908

UL604 FT 12-A-4 (1937)  
A5

5. RECOILLESS RIFLE - U.S.A.

105mm

UL601	M27, HE, AT
A4	ABR-FT 105-AK-1 (1951)
UL601	M27, HEP
A4	ABR-FT 105-AI-2 (1951)
UL601	M27A1, HE
A4	ABR-FT 105-AH-3 (1954)
UL601	M27A1, HEP-T
A4	ABR-FT 105-AP-2 (1955)

## I. B. OBSOLETE FIRING TABLES, FOREIGN

### 1. GENERAL - FRANCE

- UF2                    Camps, L. "Les Tables de tir de Lombard," Revue d'artillerie,  
R3                    105:403-426, 1930.
- \*UL502.5            DuFrenois, Charles E. U. Conditions of the Establishment of  
D8                    Firing Tables, Precision of the Various Methods of Adjustment,  
Vert File            Lecture, Metz, Fr: Center of Tactical Studies, c1923.
- UF7                    France. "Baldenweck Mechanical Range Table," Bulletin de  
F81                    renseignements de l'artillerie, 5:31-37, Feb 1918.
- UL601                -----. Liste repertoire par matériel des tables de tir en  
F8A5                vigueur pour les bouches a feu en service aux armees, mise a  
1916                jour au 31 decembre 1916, Corbeil, Fr: Imprimerie Crete, 1916.
- UL600                Lettre d'un officier du Corps Royal du régiment de \*\*, a un  
F8A5                officier du Même Corps du regiment de \*\*, (s.l: s.n.), (c1771).  
1771  
Rare Book
- UF2                    Spoerry, H. "Tables de tir graphiques du Lieutenant Spoerry  
R3                    pour l'artillerie de campagne," Revue d'artillerie, 86:400-  
411, 1920.
- UL502.65            U.S. General Staff. Practical Maximum Ranges and Practical Rates  
F8                    of Fire of Artillery; Description of French Artillery Materiel,  
1927                Washington, DC: Military Intelligence Div., c1927.

### 2. GENERAL - GERMANY

- UL305                U.S. Allied Forces. German Guns, Brief Notes and Range Tables  
G3U5                for Allied Gunners, Washington, DC: Military Intelligence Div.,  
1944a                c1944.

### 3. GUN - FRANCE

#### 75mm - GENERAL

- UF2                    Prevot-Leygonie, G. "Essai d'une table de tir mecanique pour  
R3                    le canon de 75," Revue d'artillerie, 108:139-154, 1931.

#### 75mm - M1897

- UL601                U.S. War Dept. Abbreviated Firing Tables, Fort Sill, Ok:  
A4                    Printing Pl., c1936.  
S.T. # 101

UL601 U.S. War Dept. Firing Tables for 75mm Gun, Model of 1897  
F84 (French) Firing Mark I Shrapnel, Mark I Shell and Mark IV Shell, Ord. Dept. Doc 75-B-1, 75-B-2, 75-B-3, Washington, DC: USGPO, c1923, 1931, 1935.

UL601 -----. Range Tables for 75mm Model 1897 French Gun,  
F84 Firing French Ammunition and American Shrapnel, Ord. Dept. Form 983, Washington, DC: USGPO, c1918.

80mm

UL601 France. Ministere de la guerre. Tables pratiques de tir du  
F84 canon de 80 millimetres de campagne, Paris, Fr: Imprimerie Nationale, c1909.

90mm

UL601 France. Ministere de la guerre. Tables de tir du canon de 90  
F84 de campagne, Paris, Fr: Imprimerie Nationale, c1915.

95mm - M1888

UL601 (France. Ministere de la guerre). Tables de tir du canon de  
F84 95, Mle 1888, Paris, Fr: Imprimerie Nationale, c1917.

105mm - M1897

UL601 France. Ministere de l'armement et des fabrications de guerre.  
F84 Tables de tir du canon de 105mm. Marine, Mle 1897, tirant une gorgousse, Paris, Fr: Imprimerie Nationale, c1917.

120mm

UL601 France. Ministere de la guerre. Tables pratiques de tir du  
F84 canon de 120 millimetres court, Paris, Fr: Imprimerie Nationale, c1915.

120mm - M1878

UL601 France. Ministere de la guerre. Tables de tir canon de 120  
F84 millimetres long modele 1878, Paris, Fr: Imprimerie Nationale, c1916.

145mm - M1910

UL601 France. Ministere de l'armement et des fabrications de guerre.  
F84 Tables de tir canon de 145mm modele 1910, Paris, Fr: Imprimerie Nationale, c1917.



145mm - M1916

UL601 France. Ministere de la guerre. Tables de tir du canon de  
F84 145mm Mle 1916, Paris, Fr: Imprimerie Nationale, c1917.

155mm

UL601 France. Ministere de la guerre. Provisional Firing Tables  
F84 for the 155 Filloux Gun, AEF Doc 1020-1, General Hq., A.E.F.,  
Nancy, Fr: Berger-Leurant, c1918.

155mm - M1887

UL601 France. Ministere de la guerre. Table pratique pour le tir  
F84 plongeant de l'obus a mitraille Mle 1887, de l'obus allonge Mle  
1890, et de l'obus explosif en fonte aciere Mle 1915, Paris,  
Fr: Imprimerie Nationale, 1915.

155mm - M1915

UL601 France. Ministere de l'armement et des fabrications de guerre.  
F84 Tables de tir du canon de 155mm C. Mle 1915 Schneider, Paris,  
Fr: Imprimerie Nationale, c1917.

203mm

UL601 France. Ministere de la guerre. Tables de tir de l'obusier  
A5 B.L. de 8", Paris, Fr: Imprimerie Nationale, c1917.

240mm - M1884

UL601 France. Ministere de la guerre. Tables de tir du canon de  
F84 240 Mle 1884 a chambre normal, de canon de 240 Mle 1884 a  
chambre agrandie, et du canon de 240 Mle 1903 TR, Paris, Fr:  
Imprimerie Nationale, c1917.

285mm - M1893-96

UL601 France. Ministere de la guerre. Tables pratiques de tir du  
F84 canon de 285mm, Mle 1893-96, Paris, Fr: Imprimerie Nationale,  
c1917.

305mm - M1893-96

UL601 France. Ministere de la guerre. Tables pratiques de tir du  
F84 canon de 305mm Mle 1893-96, Paris, Fr: Imprimerie Nationale,  
c1917.



10CM - M1897

UL601 France. Ministere de la guerre. Tables pratiques de tir des  
F84 canons de 10CM, Mle 1897, de cote, Paris, Fr: Imprimerie  
Nationale, c1915.

19CM - M1870-93

UL601 France. Ministere de la guerre. Tables de tir du canon de  
F84 19CM Mle 1870-93, Paris, Fr: Imprimerie Nationale, c1917.

32CM - M1870-81

UL601 France. Ministere de la guerre. Tables de tir des canons de  
F84 32CM, Modele 1870-81 et modele 1870-93 de 25 calibres, Paris,  
Fr: Imprimerie Nationale, c1917.

32CM - M1870-84

UL601 France. Ministere de la guerre. Tables de tir des canons de  
F84 32CM modele 1870-84 et modele 1870-93, de 30 calibres, Paris,  
Fr: Imprimerie Nationale, c1917.

8"

UL601 France. Ministere de la guerre. Tables de tir de l'obusier  
F85 B.L. de 8", Paris, Fr: Imprimerie Nationale, c1917.

4. GUN - GERMANY

75mm

UL305 Allied Expeditionary Force. German Guns: Brief Notes and  
G3U5 Range Tables for Allied Gunners, London, Eng: Supreme Hq.,  
A.E.F., c1944.

75mm - M40

UL601 U.S. Ordnance Dept. Firing Tables for German 7.5cm 40 (75mm  
G34 Recoilless Airborne Gun), (s.l.): Etousa, Hq., c1944.  
Microjkt

88mm

UL305 Allied Expeditionary Force. German Guns: Brief Notes and Range  
G3U5 Tables for Allied Gunners, London, Eng: Supreme Hq., A.E.F.,  
c1944.

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105mm

UL305 Allied Expeditionary Force. German Guns: Brief Notes and Range  
G3U5 Tables for Allied Gunners, London, Eng: Supreme Hq., A.E.F.,  
c1944.

105mm - LG2

UL601 U.S. Ordnance Dept. Firing Tables for German 10.5cm L.G. 2  
G34 (105mm Recoilless Gun) Firing F.H. Gr. 41, (s.l.): Etousa,  
Microjkt Hq., c1944.

150mm, 170mm, 7.5cm

UL305 Allied Expeditionary Force. German Guns: Brief Notes and Range  
G3U5 Tables for Allied Gunners, London, Eng: Supreme Hq., A.E.F.  
c1944.

8.8cm

UL601 Germany. Reichswehr. Erdschusstafel für die 8, 8cm flak 18  
G34 36 und 37, Berlin, Ger: (s.n.), c1943.

15cm

UL601 Germany, Reichswehr. Schusstafel für das schwere infanterie-  
G34 Geschütz 33 mit der 15cm infanteriegranate 33 und der 15cm  
infanteriegranate 38, Berlin, Ger: (s.n.), c1943.

5. GUN - GREAT BRITAIN

6-PR - MKII & III

UL601 Great Britain. War Office. Range Table for Q.F. 6-PR 7-CWT  
G76 Guns Mark II and III, London, Eng: the ofc, c1943.

25-PR - MKI & II

UL601 Great Britain. War Office. Range Tables for O.F. 25-PR Guns,  
G76 Mark I and II, London, Eng: the ofc., c1939-40.

6. GUN - ITALY

75mm - 75/46 Mod. 34

UL601 Italy. Ministero della guerra. Cannone da 75/46 Mod. 34,  
I 84 tavole di tiro, granata da 75/46, con spoletta meccanica a  
#3491 tempo da 75/46, Roma, It: Istituto Poligrafico dello stato,  
c1939.

76mm - 76/40 & 76/45 Mod. 36

UL601 Italy. Ministero della guerra. Cannoni da 76/40 e da 76/45,  
I 84 granata da 76/40-45, munita di spoletta a tempo mod. 36,  
# 4027 carico ridotta, Roma, It: Cav. Pietro Russo, c1941.

85mm - 85/33, Mod. D

UL601 Italy. Ministero della guerra. Cannone da 85/33 (Schneider)  
I 84 tavole di tiro, granata leggera e granata pesante tipo d,  
# 4211 Roma, It: Istituto poligrafico dello stato, c1942.

90mm - 90/42-53, Mod. 1942

UL601 Italy. Ministero della guerra. Cannone da 90/53, tavola di  
I 84 tiro, granata semiperforante da 90/42-53, Roma, It: Istituto  
#4199 poligrafico dello stato libreria, c1942.

120mm - 120/21

UL601 Italy. Ministero della guerra. Cannone da 120/21, tavole di  
I 84 tiro, granata da 120/21 e granata di ghisa acciaiosa 120/21,  
# 3806 Roma, It: Istituto poligrafico dello stato, c1940.

149mm - 149/12, Mod. 14-18

UL601 Italy. Ministero della guerra. Obice da 149/12, Mod. 14 e  
I 84 Mod. 18, tavole di tiro ... Roma, It: Arti grafiche "Ugo  
#3220, 4030 pinnaro," c1938, 1940.

149mm - 149/13

UL601 Italy. Ministero della guerra. Obice da 149/13, tabole di  
I 84 tiro ... Roma, It: Istituto poligrafico dello stato libreria,  
# 3492 c1939.

7. GUN - SPAIN

9mm

UL315.5 Spain. Ministerio del Ejercito. Normas provisionales para la  
S7 instruccion de tiro con subfusil ametrallador, Madrid, Sp:  
(s.n.), c1952.

8. GUN - U.S.S.R.

UL605 AA  
R94 FT-F-60 (1951)

57mm - M1943

UL155 U.S. Army Ordnance Corps. Foreign Firing Tables for Soviet  
U51 57mm Antitank Gun, M1943, Washington, DC: (s.n.), c1955.  
Ordi  
7-104

76mm - M1941 (Zis-5)

UL601 HE, AP-T  
R94 FT-F-50 (1951)

85mm - M1939

UL605 AA, AP-T  
R94 FT-F-57 (1951)  
FT-F-57-1 (1951)

85mm - M1944 (Zis-S53)

UL601 T, HE, AP-T  
R94 FT-F-50 (1951)

100mm - M1944, (II-10)

UL601 T, HE, AP-T  
R94 FT-F-50 (1951)

122mm - M1931

UL601 AP-T, HE  
R94 FT-F-16 (1951)  
FT-F-122-1 (1951)

122mm - M1931/37

UL601 AP-T, HE  
R94 FT-F-16 (1951)  
FT-F-122-1 (1951)

122mm - M1943, (II-25), (II-25c)

UL601 SP or T, AP-T, HE  
R94 FT-F-22 (1951)

122mm - M1943 (D25) (D25c)

UL601 Russia. Artillery Dept. Firing Tables: 122mm Self-Propelled  
R94 Gun, Moscow, Russ: National Commissariat of Defense, c1944.



122mm - M1944 (A19C)

UL601 SP, AP-T, HE  
R94 FT-F-22 (1951)

122mm - M1944 (A19S)

UL601 Russia. Artillery Dept. Firing Tables: 122mm Self-Propelled  
R94 Gun, Moscow, Russ: National Commissarat of Defense, c1944.

152mm - Mo. JSU-152

UL601 HE, AP-T  
R94 FT-F-27 (1951)

152mm - M1910/34

UL601 HE, AP-T  
R94 FT-F-27 (1951)

9. GUN - HOWITZER - U.S.S.R.

152mm - M1937

UL601 HE, AP-T  
R94 FT-F-27 (1951)

10. HOWITZER - FRANCE

75mm - M1897

UL601 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
F84 Fort Sill, OK: the schl, c1936.  
ST #101

155mm - M1917

UL601 France. Ministere de la guerre. Firing Tables, 155 M/M  
F84 Schneider Howitzer, Model 1917, AEF Doc # 69, Paris, Fr:  
Imprimerie Nationale, c1918.

155mm - M1918

UL601 U.S. Army Field Artillery School. Abbreviated Firing Tables,  
F84 Fort Sill, OK: the schl, c1936.  
ST #101



11. HOWITZER - GERMANY

75mm - G36

UL601 U.S. Ordnance Dept. Firing Tables for German 7.5cm GEB.G36  
G34 Firing GR.34A1, K.GR.ROT A1, (s.l.): ETOUSA, Hq., c1944.  
Microjacket

75mm - IG18

UL601 U.S. Ordnance Dept. Firing Tables for German 7.5cm GEB.I.G.18  
G34 Firing IGR18, IGR38, (s.l.): ETOUSA, Hq., c1944.  
Microjacket

104.9mm

UL601 Germany. Reichswehr. Schusstafel für die leichte feldhaubitze  
G34 18, mit der feldhaubitigranate, Berlin, Ger: Reichsdruckerei,  
c1942.

105mm - M1898-09

UL305 U.S. War Dept. Service Handbook of the 105-millimeter Howitzer  
G34 Materiel, Washington, DC: Chief of Ordnance, c1922.  
WD # 1079

150mm - SFH18

UL601 U.S. Ordnance Dept. Firing Tables Firing GR19, (s.l.):  
G34 ETOUSA, Hq., c1944.  
Microjacket

13cm

UL601 U.S. Army, AEF. Range Tables for the Long Heavy Field Howitzer  
G34 13 (German), (s.l.): AEF, Office of the Chief Ordnance Officer,  
AEF # 78 c1919.

12. HOWITZER - GREAT BRITAIN

105mm - M2 & M2A1

UL601 Great Britain. War Office. Range Tables for Q.F. 105mm  
G74 Howitzers, M2 and M2A1, London, Eng: the office, 1944.

8" - MK I-VI

UL601 Great Britain. War Office. Provisional Firing Tables for the  
G75 British 8-Inch Howitzer, Marks I to VI, Paris, Fr: Imprimerie  
AEF Nationale, c1918.  
# 1314

9.2 - MK II

UL601  
G75  
AEF  
# 1424

Great Britain. War Office. Provisional Firing Tables for the British 9.2-Inch Howitzer, Mark II, (s.l., Fr): AEF Hq., c1918.

13. HOWITZER - SPAIN

105mm - 105/26, R-50

UL305  
S74

Spain. Army. Howitzer 105/26, R-50, Madrid, Sp: Imprenta Ramirez, c1957.

14. HOWITZER - U.S.S.R.

152mm - M1909/30, M1938, M1943

UL601  
R94

HE, AP  
FT-F-26 (1951)

15. MORTAR - FRANCE

220mm

UL602.5  
A4

France. Ministere de la guerre. Tables de tir du mortier de 220 Schneider, Paris, Fr: Imprimerie Nationale, c1917.

270mm - M1885

UL602.5  
A4

France. Ministere de la guerre. Tables pratiques de tir du mortier de 270 millimetres, modele 1885 de siege, Paris, Fr: Imprimerie Nationale, c1915.

280mm

UL602.5  
A4

France. Ministere de la guerre. Tables pratiques de tir du mortier de 280, Paris, Fr: Imprimerie Nationale, c1915.

293mm

UL602.5  
A4

France. Ministere de la guerre. Tables pratiques de tir vertical du mortier de 293, Paris, Fr: Imprimerie Nationale, c1915.

370mm

UL601  
F84

France. Ministere de la guerre. Tables pratiques de tir du mortier de 370, Paris, Fr: Imprimerie Nationale, c1916.

16. MORTAR - GREAT BRITAIN

3"

UL604 Great Britain. War Office. Provisional Range Table for 3-inch  
A5 Stokes Mortar, London, Eng: Harrison & Son, (c1917).

17. MORTAR - U.S.S.R.

82mm

UL601 Russia. Army. 82mm Regulation Mortar Shell, Fragmentation  
R94 6-Fin Shell; Smoke 6-Fin Shell; Propaganda 6-Fin Shell; 81-mm  
# G337 German Mortar Shell; Fragmentation 12-Fin Shell; Smoke 12-Fin  
Shell; 81-mm American Fragmentation 6-Fin Shell, Washington,  
DC: USDA, nd.

82mm - M1936, M1937, M1941, M1943

UL601 HE, SM  
R94 FT-F-82-1 (1951)

107mm - M1938

UL604 U.S. Dept. of the Army. Firing Tables for the 107mm Mountain  
A4 Pack Regimental Mortar, M1938, Rpt # R-15-50, (Washington, DC:  
Microjacket USGPO), c1950.